Ursolic acid ameliorates cognition deficits and attenuat senescent mice induced by d-galactose

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Citation Report

#	Article	IF	Citations
1	Anti-tumor effect and its mechanisms of ursolic acid on human esophageal carcinoma cell Eca-109 in vivo. Chinese Journal of Cancer Research: Official Journal of China Anti-Cancer Association, Beijing Institute for Cancer Research, 2008, 20, 205-210.	2.2	6
2	Ursolic acid: An antiâ€•and proâ€inflammatory triterpenoid. Molecular Nutrition and Food Research, 2008, 52, 26-42.	3.3	345
3	Effect of ursolic acid, a triterpenoid antioxidant, on ultraviolet-B radiation-induced cytotoxicity, lipid peroxidation and DNA damage in human lymphocytes. Chemico-Biological Interactions, 2008, 176, 99-107.	4.0	112
4	Purple sweet potato color repairs d-galactose-induced spatial learning and memory impairment by regulating the expression of synaptic proteins. Neurobiology of Learning and Memory, 2008, 90, 19-27.	1.9	139
5	Impairments of astrocytes are involved in the d-galactose-induced brain aging. Biochemical and Biophysical Research Communications, 2008, 369, 1082-1087.	2.1	121
6	Expression and Purification of Glutathione Transferase-Small Ubiquitin-Related Modifier-Metallothionein Fusion Protein and Its Neuronal and Hepatic Protection against d-Galactose-Induced Oxidative Damage in Mouse Model. Journal of Pharmacology and Experimental Therapeutics, 2009, 329, 469-478.	2.5	15
7	Protective Effect of Ursolic Acid fromCornus officinalison the Hydrogen Peroxide-Induced Damage of HEI-OC1 Auditory Cells. The American Journal of Chinese Medicine, 2009, 37, 735-746.	3.8	27
8	Effects of age and jet lag on d-galactose induced aging process. Biogerontology, 2009, 10, 153-161.	3.9	36
9	Antioxidant activities of polysaccharides from Hyriopsis cumingii. Carbohydrate Polymers, 2009, 78, 199-204.	10.2	216
10	Troxerutin Protects the Mouse Liver against Oxidative Stress-Mediated Injury Induced by<scp>d</scp>-Galactose. Journal of Agricultural and Food Chemistry, 2009, 57, 7731-7736.	5.2	84
11	Purple sweet potato color attenuates oxidative stress and inflammatory response induced by d-galactose in mouse liver. Food and Chemical Toxicology, 2009, 47, 496-501.	3.6	161
12	Troxerutin protects the mouse kidney from d-galactose-caused injury through anti-inflammation and anti-oxidation. International Immunopharmacology, 2009, 9, 91-96.	3.8	118
13	Differential impairment of spatial and nonspatial cognition in a mouse model of brain aging. Life Sciences, 2009, 85, 127-135.	4.3	63
14	Paeonol attenuates neurotoxicity and ameliorates cognitive impairment induced by d-galactose in ICR mice. Journal of the Neurological Sciences, 2009, 277, 58-64.	0.6	148
15	Ameliorative effect of 1,2-benzenedicarboxylic acid dinonyl ester against amyloidbetapeptide-induced neurotoxicity. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 2009, 16, 15-24.	3.0	40
16	Neuroprotective Effects of (-)-Epigallocatechin-3-gallate on Aging Mice Induced by D-Galactose. Biological and Pharmaceutical Bulletin, 2009, 32, 55-60.	1.4	91
17	Protective effects of Ursolic acid and Luteolin against oxidative DNA damage include enhancement of DNA repair in Caco-2 cells. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2010, 692, 6-11.	1.0	102
18	Betacyanins from Portulaca oleracea L. ameliorate cognition deficits and attenuate oxidative damage induced by D-galactose in the brains of senescent mice. Phytomedicine, 2010, 17, 527-532.	5.3	69

#	Article	IF	Citations
19	Chronic green tea catechins administration prevents oxidative stress-related brain aging in C57BL/6J mice. Brain Research, 2010, 1353, 28-35.	2.2	51
20	Neuroprotective and neurochemical properties of mint extracts. Phytotherapy Research, 2010, 24, 869-874.	5.8	65
21	Retrospect and prospect of active principles from Chinese herbs in the treatment of dementia. Acta Pharmacologica Sinica, 2010, 31, 649-664.	6.1	52
22	Purple Sweet Potato Color Alleviates Dâ€galactoseâ€induced Brain Aging in Old Mice by Promoting Survival of Neurons via PI3K Pathway and Inhibiting Cytochrome Câ€mediated Apoptosis. Brain Pathology, 2010, 20, 598-612.	4.1	127
23	NGFâ€Dependent Activation of TrkA Pathway: A Mechanism for the Neuroprotective Effect of Troxerutin in Dâ€Galactoseâ€Treated Mice. Brain Pathology, 2010, 20, 952-965.	4.1	45
24	Ursolic Acid Attenuates D-Galactose-Induced Inflammatory Response in Mouse Prefrontal Cortex through Inhibiting AGEs/RAGE/NF-ÂB Pathway Activation. Cerebral Cortex, 2010, 20, 2540-2548.	2.9	159
25	Anti-Aging Effects of Betacyanins from Portulaca oleracea L.. , 2010, , .		0
26	Ursolic Acid Induces Allograft Inflammatory Factor-1 Expression via a Nitric Oxide-Related Mechanism and Increases Neovascularization. Journal of Agricultural and Food Chemistry, 2010, 58, 12941-12949.	5.2	22
27	Purple sweet potato color protects mouse liver against d-galactose-induced apoptosis via inhibiting caspase-3 activation and enhancing PI3K/Akt pathway. Food and Chemical Toxicology, 2010, 48, 2500-2507.	3.6	47
28	Chronic administration of troxerutin protects mouse kidney against d-galactose-induced oxidative DNA damage. Food and Chemical Toxicology, 2010, 48, 2809-2817.	3.6	62
29	Chronic administration of troxerutin protects mouse brain against d-galactose-induced impairment of cholinergic system. Neurobiology of Learning and Memory, 2010, 93, 157-164.	1.9	87
30	Uncaria rhynchophyllaAmeliorates Cognitive Deficits Induced by D-galactose in Mice. Planta Medica, 2011, 77, 1977-1983.	1.3	68
31	High molecular weight persimmon tannin ameliorates cognition deficits and attenuates oxidative damage in senescent mice induced by d-galactose. Food and Chemical Toxicology, 2011, 49, 1728-1736.	3.6	65
32	Ursolic acid improves high fat diet-induced cognitive impairments by blocking endoplasmic reticulum stress and Î°B kinase Î²/nuclear factor-Î°B-mediated inflammatory pathways in mice. Brain, Behavior, and Immunity, 2011, 25, 1658-1667.	4.1	123
33	Ganoderma atrum polysaccharide attenuates oxidative stress induced by d-galactose in mouse brain. Life Sciences, 2011, 88, 713-718.	4.3	39
34	Astrocyte activation but not neuronal impairment occurs in the hippocampus of mice after 2weeks of d-galactose exposure. Life Sciences, 2011, 89, 355-363.	4.3	10
35	Identification and pharmacological characterization of the anti-inflammatory principal of the leaves of dwarf elder (Sambucus ebulus L.). Journal of Ethnopharmacology, 2011, 133, 704-709.	4.1	43
36	Neuroprotective effects of Abacopterin E from Abacopteris penangiana against oxidative stress-induced neurotoxicity. Journal of Ethnopharmacology, 2011, 134, 275-280.	4.1	18

#	Article	IF	Citations
37	Traditional Chinese medicines and Alzheimerâ€™s disease. Taiwanese Journal of Obstetrics and Gynecology, 2011, 50, 131-135.	1.3	92
38	Long-term ginsenoside administration prevents memory loss in aged female C57BL/6J mice by modulating the redox status and up-regulating the plasticity-related proteins in hippocampus. Neuroscience, 2011, 183, 189-202.	2.3	50
39	Ursolic acid attenuates lipopolysaccharide-induced cognitive deficits in mouse brain through suppressing p38/NF-ÎºB mediated inflammatory pathways. Neurobiology of Learning and Memory, 2011, 96, 156-165.	1.9	64
40	Clinically useful anticancer, antitumor, and antiwrinkle agent, ursolic acid and related derivatives as medicinally important natural product. Journal of Enzyme Inhibition and Medicinal Chemistry, 2011, 26, 616-642.	5.2	89
41	Ursolic acid causes DNA-damage, P53-mediated, mitochondria- and caspase-dependent human endothelial cell apoptosis, and accelerates atherosclerotic plaque formation in vivo. Atherosclerosis, 2011, 219, 402-408.	0.8	45
42	Protein and DNA Oxidation in Different Anatomic Regions of Rat Brain in a Mimetic Ageing Model. Basic and Clinical Pharmacology and Toxicology, 2011, 109, 423-433.	2.5	54
43	Contribution of common deletion to total deletion burden in mitochondrial DNA from inner ear of d-galactose-induced aging rats. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2011, 712, 11-19.	1.0	35
44	Nitric oxide involvement in consolidation, but not retrieval phase of cognitive performance enhanced by atorvastatin in mice. European Journal of Pharmacology, 2011, 666, 122-130.	3.5	15
45	Purified Auricularia auricular-judae polysaccharide (AAP I-a) prevents oxidative stress in an ageing mouse model. Carbohydrate Polymers, 2011, 84, 638-648.	10.2	80
46	Terpene Compounds in Nature: A Review of Their Potential Antioxidant Activity. Current Medicinal Chemistry, 2012, 19, 5319-5341.	2.4	250
47	Antidepressant-like effect of ursolic acid isolated from Rosmarinus officinalis L. in mice: Evidence for the involvement of the dopaminergic system. Pharmacology Biochemistry and Behavior, 2012, 103, 204-211.	2.9	83
48	Efficacy of boswellic acid on lysosomal acid hydrolases, lipid peroxidation and antiâ€“oxidant status in gouty arthritic mice. Asian Pacific Journal of Tropical Biomedicine, 2012, 2, 128-133.	1.2	23
49	Effect of ursolic acid on cardiac marker enzymes, lipid profile and macroscopic enzyme mapping assay in isoproterenol-induced myocardial ischemic rats. Food and Chemical Toxicology, 2012, 50, 3971-3977.	3.6	50
50	Danggui-Shaoyao-San ameliorates cognition deficits and attenuates oxidative stress-related neuronal apoptosis in d-galactose-induced senescent mice. Journal of Ethnopharmacology, 2012, 141, 386-395.	4.1	79
51	A long-term high-fat diet increases oxidative stress, mitochondrial damage and apoptosis in the inner ear of d-galactose-induced aging rats. Hearing Research, 2012, 287, 15-24.	2.0	96
52	Purification and antioxidant activity of a polysaccharide from bulbs of Fritillaria ussuriensis Maxim. International Journal of Biological Macromolecules, 2012, 50, 1075-1080.	7.5	33
53	Effect of ursolic acid treatment on apoptosis and DNA damage in isoproterenol-induced myocardial infarction. Biochimie, 2012, 94, 1135-1142.	2.6	77
54	Bioavailability, Distribution, and Antioxidative Effects of Selected Triterpenes in Mice. Journal of Agricultural and Food Chemistry, 2012, 60, 7697-7701.	5.2	148

#	Article	IF	Citations
55	Microemulsion-based patch for transdermal delivery of huperzine A and ligustrazine phosphate in treatment of Alzheimerâ€™s disease. Drug Development and Industrial Pharmacy, 2012, 38, 752-761.	2.0	27
56	Resveratrol attenuates oxidative damage and ameliorates cognitive impairment in the brain of senescence-accelerated mice. Life Sciences, 2012, 91, 872-877.	4.3	64
57	Analgesic and Anti-Inflammatory Activities of Methanol Extract ofCissus repensin Mice. Evidence-based Complementary and Alternative Medicine, 2012, 2012, 1-10.	1.2	12
58	Comparison of oxidative stress biomarkers in renal tissues of d-galactose induced, naturally aged and young rats. Biogerontology, 2012, 13, 251-260.	3.9	52
59	Physicochemical properties and oral bioavailability of ursolic acid nanoparticles using supercritical anti-solvent (SAS) process. Food Chemistry, 2012, 132, 319-325.	8.2	60
60	Effect of quercetin on learning and memory performance in ICR mice under neurotoxic trimethyltin exposure. Food Chemistry, 2012, 132, 1019-1024.	8.2	53
61	Long-term resveratrol consumption protects ovariectomized rats chronically treated with d-galactose from developing memory decline without effects on the uterus. Brain Research, 2012, 1467, 67-80.	2.2	40
62	Protective role of chrysin against oxidative stress in <scp>d</scp>â€galactoseâ€induced aging in an experimental rat model. Geriatrics and Gerontology International, 2012, 12, 741-750.	1.5	100
63	Evaluation of the antioxidant activity of extracellular polysaccharides from Morchella esculenta. Food and Function, 2013, 4, 871.	4.6	63
64	Ursolic acid improves domoic acid-induced cognitive deficits in mice. Toxicology and Applied Pharmacology, 2013, 271, 127-136.	2.8	34
65	Blueberry (Vaccinium virgatum) Leaf Extracts Protect Against AÎ²-Induced Cytotoxicity and Cognitive Impairment. Journal of Medicinal Food, 2013, 16, 968-976.	1.5	19
66	Curcumin and piperine abrogate lipid and protein oxidation induced by d-galactose in rat brain. Brain Research, 2013, 1515, 1-11.	2.2	52
67	Piperine and curcumin exhibit synergism in attenuating d-galactose induced senescence in rats. European Journal of Pharmacology, 2013, 703, 91-99.	3.5	26
68	The Effects of Sesquiterpenes-Rich Extract ofAlpinia oxyphyllaMiq. on Amyloid-Î²-Induced Cognitive Impairment and Neuronal Abnormalities in the Cortex and Hippocampus of Mice. Oxidative Medicine and Cellular Longevity, 2014, 2014, 1-11.	4.0	34
69	Pharmacological Activity of Natural Non-glycosylated Triterpenes. Mini-Reviews in Organic Chemistry, 2014, 11, 280-291.	1.3	6
70	Ursolic acid alleviates early brain injury after experimental subarachnoid hemorrhage by suppressing TLR4-mediated inflammatory pathway. International Immunopharmacology, 2014, 23, 585-591.	3.8	46
71	Exploring the potential effect of Ocimum sanctum in vincristine-induced neuropathic pain in rats. Journal of Brachial Plexus and Peripheral Nerve Injury, 2014, 05, e3-e11.	1.0	58
72	The influence of gender, age and treatment time on brain oxidative stress and memory impairment induced by d-galactose in mice. Neuroscience Letters, 2014, 571, 45-49.	2.1	50

#	Article	IF	Citations
73	Astaxanthin alleviates brain aging in rats by attenuating oxidative stress and increasing BDNF levels. Food and Function, 2014, 5, 158-166.	4.6	113
74	Protective effects of perindopril on d-galactose and aluminum trichloride induced neurotoxicity via the apoptosis of mitochondria-mediated intrinsic pathway in the hippocampus of mice. Brain Research Bulletin, 2014, 109, 46-53.	3.0	47
75	D-Galactose Induces a Mitochondrial Complex I Deficiency in Mouse Skeletal Muscle: Potential Benefits of Nutrient Combination in Ameliorating Muscle Impairment. Journal of Medicinal Food, 2014, 17, 357-364.	1.5	34
76	<scp>N</scp>â€acetylâ€<scp>L</scp>â€cysteine protects against cadmiumâ€induced neuronal apoptosis by inhibiting <scp>ROS</scp>â€dependent activation of <scp>A</scp>kt/m<scp>TOR</scp> pathway in mouse brain. Neuropathology and Applied Neurobiology, 2014, 40, 759-777.	3.2	96
77	Isorhynchophylline improves learning and memory impairments induced by D-galactose in mice. Neurochemistry International, 2014, 76, 42-49.	3.8	53
78	Ursolic acid reduces oxidative stress to alleviate early brain injury following experimental subarachnoid hemorrhage. Neuroscience Letters, 2014, 579, 12-17.	2.1	45
79	Ursolic acid ameliorates autoimmune arthritis via suppression of Th17 and B cell differentiation. Acta Pharmacologica Sinica, 2014, 35, 1177-1187.	6.1	54
80	Phytochemical investigation of Tabebuia palmeri. Chemistry of Natural Compounds, 2014, 49, 1039-1042.	0.8	4
81	Chronic administration of D-galactose enhances astrocytic activities in rat cerebral medulla. Neurochemical Journal, 2014, 8, 33-37.	0.5	4
82	Glutamine synthetase plays a role in d-galactose-induced astrocyte aging in vitro and in vivo. Experimental Gerontology, 2014, 58, 166-173.	2.8	43
83	Ursolic acid protects monocytes against metabolic stress-induced priming and dysfunction by preventing the induction of Nox4. Redox Biology, 2014, 2, 259-266.	9.0	18
84	d-galactose induced inflammation lipid peroxidation and platelet activation in rats. Cytokine, 2014, 69, 150-153.	3.2	12
85	A High-Fat Diet Increases Oxidative Renal Injury and Protein Glycation in D-Galactose-Induced Aging Rats and Its Prevention by Korea Red Ginseng. Journal of Nutritional Science and Vitaminology, 2014, 60, 159-166.	0.6	19
86	NADPH oxidase 3-associated oxidative stress and caspase 3-dependent apoptosis in the cochleae of D-galactose-induced aged rats. Molecular Medicine Reports, 2015, 12, 7883-7890.	2.4	11
87	Ameliorative potential of Ocimum sanctum in chronic constriction injury-induced neuropathic pain in rats. Anais Da Academia Brasileira De Ciencias, 2015, 87, 417-429.	0.8	19
88	Ursolic Acidâ€"A Pentacyclic Triterpenoid with a Wide Spectrum of Pharmacological Activities. Molecules, 2015, 20, 20614-20641.	3.8	272
89	Ameliorating effects of ethyl acetate fraction from onion (Allium cepa L.) flesh and peel in mice following trimethyltin-induced learning and memory impairment. Food Research International, 2015, 75, 53-60.	6.2	20
90	Ligustilide prevents cognitive impairment and attenuates neurotoxicity in d-galactose induced aging mice brain. Brain Research, 2015, 1595, 19-28.	2.2	55

#	Article	IF	Citations
91	Caffeine prevents d-galactose-induced cognitive deficits, oxidative stress, neuroinflammation and neurodegeneration in the adult rat brain. Neurochemistry International, 2015, 90, 114-124.	3.8	143
92	Effect of anthocyanins from rabbit-eye blueberry (Vaccinium virgatum) on cognitive function in mice under trimethyltin-induced neurotoxicity. Food Science and Biotechnology, 2015, 24, 1077-1085.	2.6	12
93	Fibroblast growth factor 21 protects mouse brain against d-galactose induced aging via suppression of oxidative stress response and advanced glycation end products formation. Pharmacology Biochemistry and Behavior, 2015, 133, 122-131.	2.9	94
94	Anxiolytic-like effects of ursolic acid in mice. European Journal of Pharmacology, 2015, 758, 171-176.	3.5	49
95	Fibroblast growth factor (FGF21) protects mouse liver against d-galactose-induced oxidative stress and apoptosis via activating Nrf2 and PI3K/Akt pathways. Molecular and Cellular Biochemistry, 2015, 403, 287-299.	3.1	80
96	Yulangsan polysaccharide improves redox homeostasis and immune impairment in <scp>d</scp>-galactose-induced mimetic aging. Food and Function, 2015, 6, 1712-1718.	4.6	38
97	Neuronal marker recovery after Simvastatin treatment in dementia in the rat brain: In vivo magnetic resonance study. Behavioural Brain Research, 2015, 284, 257-264.	2.2	8
98	Influence of Asafoetida on Prevention and Treatment of Memory Impairment Induced by <scp>d</scp>-Galactose and NaNO₂ in Mice. American Journal of Alzheimer's Disease and Other Dementias, 2015, 30, 607-612.	1.9	26
99	Melatonin attenuates Dâ€galactoseâ€induced memory impairment, neuroinflammation and neurodegeneration via <scp>RAGE</scp>/<scp>NF</scp>â€<scp>_KB</scp>/<scp>JNK</scp> signaling pathway in aging mouse model. Journal of Pineal Research, 2015, 58, 71-85.	7.4	221
100	Mitochondrial reactive oxygen species production mediates ursolic acid-induced mitochondrial uncoupling and glutathione redox cycling, with protection against oxidant injury in H9c2 cells. Food and Function, 2015, 6, 549-557.	4.6	8
101	Neuroprotective Effect of Biatractylenolide Against Memory Impairment in d-Galactose-induced Aging Mice. Journal of Molecular Neuroscience, 2015, 55, 678-683.	2.3	20
102	Protective effect of n-butanol extract from Alpinia oxyphylla on learning and memory impairments. Physiology and Behavior, 2015, 139, 13-20.	2.1	46
103	Ursolic acid attenuates beta-amyloid-induced memory impairment in mice. Arquivos De Neuro-Psiquiatria, 2016, 74, 482-488.	0.8	34
104	Effects of aluminum on the reduction of neural stem cells, proliferating cells, and differentiating neuroblasts in the dentate gyrus of D-galactose-treated mice via increasing oxidative stress. Journal of Veterinary Science, 2016, 17, 127.	1.3	8
105	EFFECTS AND MECHANISMS OF A NEW MULTIVITAMIN ON CHRONIC METABOLIC SYNDROMES AND AGING. Tropical Journal of Obstetrics and Gynaecology, 2016, 14, 52-61.	0.3	4
106	Chongcao-Shencha Attenuates Liver and Kidney Injury through Attenuating Oxidative Stress and Inflammatory Response in D-Galactose-Treated Mice. Evidence-based Complementary and Alternative Medicine, 2016, 2016, 1-13.	1.2	8
107	Reversal of Trimethyltin-Induced Learning and Memory Deficits by 3,5-Dicaffeoylquinic Acid. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-13.	4.0	36
108	Optimizing a Male Reproductive Aging Mouse Model by d-Galactose Injection. International Journal of Molecular Sciences, 2016, 17, 98.	4.1	42

#	Article	IF	Citations
109	Ursolic acid and rosiglitazone combination improves insulin sensitivity by increasing the skeletal muscle insulin-stimulated IRS-1 tyrosine phosphorylation in high-fat diet-fed C57BL/6J mice. Journal of Physiology and Biochemistry, 2016, 72, 345-352.	3.0	6
110	Melissa officinalis L. â€“ A review of its traditional uses, phytochemistry and pharmacology. Journal of Ethnopharmacology, 2016, 188, 204-228.	4.1	221
111	Polydatin attenuates<scp>d</scp>-galactose-induced liver and brain damage through its anti-oxidative, anti-inflammatory and anti-apoptotic effects in mice. Food and Function, 2016, 7, 4545-4555.	4.6	118
113	Rescue of mitochondrial function in -mutant fibroblasts using drug loaded PMPC-PDPA polymersomes and tubular polymersomes. Neuroscience Letters, 2016, 630, 23-29.	2.1	7
114	Protective Effect of Hyperbaric Oxygen on Cognitive Impairment Induced by d-Galactose in Mice. Neurochemical Research, 2016, 41, 3032-3041.	3.3	52
115	Effect of ursolic acid in attenuating chronic constriction injuryâ€induced neuropathic pain in rats. Fundamental and Clinical Pharmacology, 2016, 30, 517-528.	1.9	23
116	Comparison of the carotenoid compositions and protection of in-season and anti-season tomato extracts against<scp>d</scp>-galactose-induced cognition deficits and oxidative damage in mice. International Journal of Food Sciences and Nutrition, 2016, 67, 983-994.	2.8	5
117	Ursolic acid protects against ulcerative colitis via anti-inflammatory and antioxidant effects in mice. Molecular Medicine Reports, 2016, 13, 4779-4785.	2.4	29
118	Anti-amnesic effect of Dendropanax morbifera via JNK signaling pathway on cognitive dysfunction in high-fat diet-induced diabetic mice. Behavioural Brain Research, 2016, 312, 39-54.	2.2	34
119	Ferulic acid ameliorates memory impairment in <scp>d</scp>-galactose-induced aging mouse model. International Journal of Food Sciences and Nutrition, 2016, 67, 806-817.	2.8	31
120	Chlorogenic acid protects <scp>d</scp>-galactose-induced liver and kidney injury via antioxidation and anti-inflammation effects in mice. Pharmaceutical Biology, 2016, 54, 1027-1034.	2.9	100
121	Ursolic acid (UA): A metabolite with promising therapeutic potential. Life Sciences, 2016, 146, 201-213.	4.3	231
122	Ursolic acid attenuates oxidative stress in nigrostriatal tissue and improves neurobehavioral activity in MPTP-induced Parkinsonian mouse model. Journal of Chemical Neuroanatomy, 2016, 71, 41-49.	2.1	108
123	Lignans from Schisandra chinensis ameliorate cognition deficits and attenuate brain oxidative damage induced by D-galactose in rats. Metabolic Brain Disease, 2016, 31, 653-661.	2.9	28
124	Anthocyanins Reversed D-Galactose-Induced Oxidative Stress and Neuroinflammation Mediated Cognitive Impairment in Adult Rats. Molecular Neurobiology, 2017, 54, 255-271.	4.0	215
125	Fructo-oligosaccharide improved brain Î²-amyloid, Î²-secretase, cognitive function, and plasma antioxidant levels in D-galactose-treated Balb/cJ mice. Nutritional Neuroscience, 2017, 20, 228-237.	3.1	29
126	Ursolic acid-mediated changes in glycolytic pathway promote cytotoxic autophagy and apoptosis in phenotypically different breast cancer cells. Apoptosis: an International Journal on Programmed Cell Death, 2017, 22, 800-815.	4.9	84
127	Development of a facile and sensitive HPLCâ€FLD method via fluorescence labeling for triterpenic acid bioavailability investigation. Biomedical Chromatography, 2017, 31, e3894.	1.7	5

#	Article	IF	Citations
128	Localization pattern of visfatin (NAMPT) in d -galactose induced aged rat testis. Annals of Anatomy, 2017, 211, 46-54.	1.9	31
129	Total Flavonoid Extract from Abelmoschus manihot (L.) Medic Flowers Attenuates <scp>d</scp>-Galactose-Induced Oxidative Stress in Mouse Liver Through the Nrf2 Pathway. Journal of Medicinal Food, 2017, 20, 557-567.	1.5	29
130	Naringenin Ameliorates Behavioral Dysfunction and Neurological Deficits in a <scp>d</scp>-Galactose-Induced Aging Mouse Model Through Activation of PI3K/Akt/Nrf2 Pathway. Rejuvenation Research, 2017, 20, 462-472.	1.8	46
131	Anti-inflammatory effects of ursolic acid-3-acetate on human synovial fibroblasts and a murine model of rheumatoid arthritis. International Immunopharmacology, 2017, 49, 118-125.	3.8	20
132	Radioprotective effect of ursolic acid in radiation-induced impairment of neurogenesis, learning and memory in adolescent BALB/c mouse. Physiology and Behavior, 2017, 175, 37-46.	2.1	27
133	Phytochemical-induced nucleolar stress results in the inhibition of breast cancer cell proliferation. Redox Biology, 2017, 12, 469-482.	9.0	48
134	Natural products against Alzheimer's disease: Pharmaco-therapeutics and biotechnological interventions. Biotechnology Advances, 2017, 35, 178-216.	11.7	175
135	The effect of d-galactose induced oxidative stress on in vitro redox homeostasis in rat plasma and erythrocytes. Biomedicine and Pharmacotherapy, 2017, 86, 686-693.	5.6	14
136	Ginseng Protein Reverses Amyloid Beta Peptide and H₂O₂Cytotoxicity in Neurons, and Ameliorates Cognitive Impairment in AD Rats Induced by a Combination of D-Galactose and AlCl₃. Phytotherapy Research, 2017, 31, 284-295.	5.8	22
137	Therapeutic Potential of Ursolic Acid to Manage Neurodegenerative and Psychiatric Diseases. CNS Drugs, 2017, 31, 1029-1041.	5.9	44
138	Chicoric acid supplementation ameliorates cognitive impairment induced by oxidative stress via promotion of antioxidant defense system. RSC Advances, 2017, 7, 36149-36162.	3.6	24
139	Immunomodulation of Parkinsonâ€™s disease using Mucuna pruriens (Mp). Journal of Chemical Neuroanatomy, 2017, 85, 27-35.	2.1	60
140	Trypsin Slows the Aging of Mice due to Its Novel Superoxide Scavenging Activity. Applied Biochemistry and Biotechnology, 2017, 181, 1549-1560.	2.9	13
141	Labelâ€free Electrochemical Sensor for Exâ€vivo Monitoring of Alzheimer's Disease Biomarker. Electroanalysis, 2017, 29, 748-755.	2.9	18
142	Poly(lactic acid) nanoparticles loaded with ursolic acid: Characterization and in vitro evaluation of radical scavenging activity and cytotoxicity. Materials Science and Engineering C, 2017, 71, 156-166.	7.3	24
143	Antioxidant effect of peony seed oil on aging mice. Food Science and Biotechnology, 2017, 26, 1703-1708.	2.6	16
144	Potential Protective Effects of Ursolic Acid against Gamma Irradiation-Induced Damage Are Mediated through the Modulation of Diverse Inflammatory Mediators. Frontiers in Pharmacology, 2017, 8, 352.	3.5	20
145	Dendropanax morbifera LÃ©veille extract ameliorates D-galactose-induced memory deficits by decreasing inflammatory responses in the hippocampus. Laboratory Animal Research, 2017, 33, 283.	2.5	13

#	Article	IF	Citations
146	Taraxerol as a possible therapeutic agent on memory impairments and Alzheimerâ€™s disease: Effects against scopolamine and streptozotocin-induced cognitive dysfunctions. Steroids, 2018, 132, 5-11.	1.8	18
147	Comparative Analysis of the Antioxidant Capacities and Phenolic Compounds of Oat and Buckwheat Vinegars During Production Processes. Journal of Food Science, 2018, 83, 844-853.	3.1	12
148	A urinary metabolomics (GC-MS) strategy to evaluate the antidepressant-like effect of chlorogenic acid in adrenocorticotropic hormone-treated rats. RSC Advances, 2018, 8, 9141-9151.	3.6	12
149	Synthesis of Water-soluble, Polyester-based Dendrimer Prodrugs for Exploiting Therapeutic Properties of Two Triterpenoid Acids. Chinese Journal of Polymer Science (English Edition), 2018, 36, 999-1010.	3.8	19
150	Natural Polyphenols and Terpenoids for Depression Treatment: Current Status. Studies in Natural Products Chemistry, 2018, 55, 181-221.	1.8	11
151	Purification, in vitro antioxidant and in vivo anti-aging activities of soluble polysaccharides by enzyme-assisted extraction from Agaricus bisporus. International Journal of Biological Macromolecules, 2018, 109, 457-466.	7.5	39
152	Role of D-galactose-induced brain aging and its potential used for therapeutic interventions. Experimental Gerontology, 2018, 101, 13-36.	2.8	185
153	The human natural killer-1 (HNK-1) glycan mimetic ursolic acid promotes functional recovery after spinal cord injury in mouse. Journal of Nutritional Biochemistry, 2018, 55, 219-228.	4.2	23
154	Shunaoxin dropping pill, a Chinese herb compound preparation, attenuates memory impairment in <scp>d</scp>-galactose-induced aging mice. RSC Advances, 2018, 8, 10163-10171.	3.6	6
155	Recent developments on the extraction and application of ursolic acid. A review. Food Research International, 2018, 103, 130-149.	6.2	113
156	Piceatannol attenuates behavioral disorder and neurological deficits in aging mice via activating the Nrf2 pathway. Food and Function, 2018, 9, 371-378.	4.6	37
157	Aruncus dioicus var. kamtschaticus extract suppresses mitochondrial apoptosis inducedâ€neurodegeneration in trimethyltinâ€injected ICR mice. Journal of Food Biochemistry, 2018, 42, e12667.	2.9	4
158	Sirtuin Modulators and Brain Aging. , 2018, , 133-149.		2
159	Matrine Attenuates D-Galactose-Induced Aging-Related Behavior in Mice via Inhibition of Cellular Senescence and Oxidative Stress. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-12.	4.0	77
160	A Triterpenoid Commonly Found in Human Diet: Ursolic Acid. , 2018, , 31-36.		0
161	Protective effects of Scutellaria baicalensis Georgi extract on D-galactose induced aging rats. Metabolic Brain Disease, 2018, 33, 1401-1412.	2.9	16
162	Grape Seed Proanthocyanidin Extract Prevents Ovarian Aging by Inhibiting Oxidative Stress in the Hens. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-16.	4.0	71
163	Ursolic acid in health and disease. Korean Journal of Physiology and Pharmacology, 2018, 22, 235.	1.2	139

#	Article	IF	Citations
164	Antioxidant effects on the intracerebroventricular galactose damage in rats. Pathology Research and Practice, 2018, 214, 1596-1605.	2.3	3
165	PQQ ameliorates D-galactose induced cognitive impairments by reducing glutamate neurotoxicity via the GSK-3Î²/Akt signaling pathway in mouse. Scientific Reports, 2018, 8, 8894.	3.3	30
166	Pistacia Genus as a Potential Source of Neuroprotective Natural Products. Planta Medica, 2019, 85, 1326-1350.	1.3	23
167	Maltol (3-Hydroxy-2-methyl-4-pyrone) Slows <scp>d</scp>-Galactose-Induced Brain Aging Process by Damping the Nrf2/HO-1-Mediated Oxidative Stress in Mice. Journal of Agricultural and Food Chemistry, 2019, 67, 10342-10351.	5.2	50
168	Acarbose improves health and lifespan in aging HET3 mice. Aging Cell, 2019, 18, e12898.	6.7	90
169	The vivo antioxidant activity of self-made aged garlic extract on the d-galactose-induced mice and its mechanism research via gene chip analysis. RSC Advances, 2019, 9, 3669-3678.	3.6	3
170	Melatonin in Alzheimerâ€™s Disease: A Latent Endogenous Regulator of Neurogenesis to Mitigate Alzheimerâ€™s Neuropathology. Molecular Neurobiology, 2019, 56, 8255-8276.	4.0	103
171	Antioxidant and Anti-inflammatory Mechanisms of Neuroprotection by Ursolic Acid: Addressing Brain Injury, Cerebral Ischemia, Cognition Deficit, Anxiety, and Depression. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-18.	4.0	90
172	In vitroandin vivoevaluation of an exopolysaccharide produced byLactobacillus helveticusKLDS1.8701 for the alleviative effect on oxidative stress. Food and Function, 2019, 10, 1707-1717.	4.6	34
173	Sarcopenia, Aging and Prospective Interventional Strategies. Current Medicinal Chemistry, 2019, 25, 5588-5596.	2.4	40
174	Ursolic acid modulates MMPs, collagen-I, Î±-SMA, and TGF-Î² expression in isoproterenol-induced myocardial infarction in rats. Human and Experimental Toxicology, 2019, 38, 785-793.	2.2	25
175	4,5â€dicaffeyolquinic acid improves highâ€fat dietâ€induced cognitive dysfunction through the regulation of insulin degrading enzyme. Journal of Food Biochemistry, 2019, 43, e12855.	2.9	6
176	Vitamin D3 mediated regulation of steroidogenesis mitigates testicular activity in an aged rat model. Journal of Steroid Biochemistry and Molecular Biology, 2019, 190, 64-75.	2.5	22
177	Aqueous extracts of se-enriched Auricularia auricular attenuates D-galactose-induced cognitive deficits, oxidative stress and neuroinflammation via suppressing RAGE/MAPK/NF-ÎºB pathway. Neuroscience Letters, 2019, 704, 106-111.	2.1	25
178	Anthocyanins from Lycium ruthenicum Murr. Ameliorated <scp>d</scp>-Galactose-Induced Memory Impairment, Oxidative Stress, and Neuroinflammation in Adult Rats. Journal of Agricultural and Food Chemistry, 2019, 67, 3140-3149.	5.2	79
179	Potential effects of dietary Maillard reaction products derived from 1 to 3â€¯kDa soybean peptides on the aging ICR mice. Food and Chemical Toxicology, 2019, 125, 62-70.	3.6	14
180	Therapeutic potential of mistletoe in CNS-related neurological disorders and the chemical composition of Viscum species. Journal of Ethnopharmacology, 2019, 231, 241-252.	4.1	26
181	Pyrola incarnata demonstrates neuroprotective effects against Î²-amyloid-induced memory impairment in mice. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 126858.	2.2	7

#	Article	IF	Citations
182	InÂvitro and inÂvivo evaluation of the neuroprotective activity of Uncaria hirsuta Haviland. Journal of Food and Drug Analysis, 2020, 28, 147-158.	1.9	19
183	Protective effects of enzyme degradation extract from Porphyra yezoensis against oxidative stress and brain injury in d-galactose-induced ageing mice. British Journal of Nutrition, 2020, 123, 975-986.	2.3	9
184	Glycine, the smallest amino acid, confers neuroprotection against d-galactose-induced neurodegeneration and memory impairment by regulating c-Jun N-terminal kinase in the mouse brain. Journal of Neuroinflammation, 2020, 17, 303.	7.2	51
185	Centella asiatica prevents D-galactose-Induced cognitive deficits, oxidative stress and neurodegeneration in the adult rat brain. Drug and Chemical Toxicology, 2022, 45, 1417-1426.	2.3	9
186	The effect of PRP in oxidative stress male rats induced by D-galactose. AIP Conference Proceedings, 2020, , .	0.4	0
187	Discussion of the promising effect of electroacupuncture on cognitive improvement in D-galactose-induced aging rats based on NLRP3-ASC-Caspase-1 signaling pathway. Journal of Acupuncture and Tuina Science, 2020, 18, 321-329.	0.3	1
188	Terpenoids as Potential Geroprotectors. Antioxidants, 2020, 9, 529.	5.1	52
189	Brain foods - the role of diet in brain performance and health. Nutrition Reviews, 2021, 79, 693-708.	5.8	21
190	Metabolite Triplet in Serum Improves the Diagnostic Accuracy of Prediabetes and Diabetes Screening. Journal of Proteome Research, 2021, 20, 1005-1014.	3.7	5
191	Neuroprotective Effect of Huperzine A on <scp>d</scp>-Galactose-Induced Hearing Dysfunction. Ear, Nose and Throat Journal, 2021, 100, 269S-276S.	0.8	5
192	d-galactose-induced aging and brain mitochondria. , 2021, , 471-480.		0
193	Synergistic Effects of Milk-Derived Exosomes and Galactose on Î±-Synuclein Pathology in Parkinsonâ€™s Disease and Type 2 Diabetes Mellitus. International Journal of Molecular Sciences, 2021, 22, 1059.	4.1	22
194	The Protective Effect of Anthocyanins Extracted from Aronia Melanocarpa Berry in Renal Ischemia-Reperfusion Injury in Mice. Mediators of Inflammation, 2021, 2021, 1-15.	3.0	17
195	Oral administration of D-galactose increases brain tricarboxylic acid cycle enzymes activities in Wistar rats. Metabolic Brain Disease, 2021, 36, 1057-1067.	2.9	4
196	Fisetin Rescues the Mice Brains Against D-Galactose-Induced Oxidative Stress, Neuroinflammation and Memory Impairment. Frontiers in Pharmacology, 2021, 12, 612078.	3.5	45
197	Dose-Related Urinary Metabolic Alterations of a Combination of Quercetin and Resveratrol-Treated High-Fat Diet Fed Rats. Frontiers in Pharmacology, 2021, 12, 655563.	3.5	7
198	The p53/p21/p16 and <scp>PI3K</scp>/Akt signaling pathways are involved in the ameliorative effects of maltol on Dâ€galactoseâ€induced liver and kidney aging and injury. Phytotherapy Research, 2021, 35, 4411-4424.	5.8	30
199	Antioxidant and Anticholinesterase Activities of Extracts and Phytochemicals of Syzygium antisepticum Leaves. Molecules, 2021, 26, 3295.	3.8	17

#	Article	IF	Citations
200	Antioxidant activity of Lactobacillus plantarum NJAU-01 in an animal model of aging. BMC Microbiology, 2021, 21, 182.	3.3	30
201	Pentoxifylline Enhances Antioxidative Capability and Promotes Mitochondrial Biogenesis in D-Galactose-Induced Aging Mice by Increasing Nrf2 and PGC-1Î± through the cAMP-CREB Pathway. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-21.	4.0	5
202	The triterpenoid ursolic acid ameliorates stress in Caenorhabditis elegans by affecting the depression-associated genes skn-1 and prdx2. Phytomedicine, 2021, 88, 153598.	5.3	13
203	Ursolic Acid and Related Analogues: Triterpenoids with Broad Health Benefits. Antioxidants, 2021, 10, 1161.	5.1	25
204	Black Goji Berry Anthocyanins: Extraction, Stability, Health Benefits, and Applications. ACS Food Science & Technology, 2021, 1, 1360-1370.	2.7	14
205	Dimethyl fumarate abridged tauo-/amyloidopathy in a D-Galactose/ovariectomy-induced Alzheimer's-like disease: Modulation of AMPK/SIRT-1, AKT/CREB/BDNF, AKT/GSK-3Î², adiponectin/Adipo1R, and NF-ÎºB/IL-1Î²/ROS trajectories. Neurochemistry International, 2021, 148, 105082.	3.8	30
206	Diet and redox state in maintaining skeletal muscle health and performance at high altitude. Free Radical Biology and Medicine, 2021, 174, 305-320.	2.9	11
207	Ursolic acid enhances stress resistance, reduces ROS accumulation and prolongs life span in C. elegans serotonin-deficient mutants. Food and Function, 2021, 12, 2242-2256.	4.6	11
208	Modulatory effect of ursolic acid on neurodegenerative activities in oxidative brain injury: An ex vivo study. Journal of Food Biochemistry, 2021, 45, e13597.	2.9	13
209	Antioxidant and Cytotoxic Activity of Hydroethanolic Extract from Jacaranda decurrens Leaves. PLoS ONE, 2014, 9, e112748.	2.5	30
210	Gene Transcriptional and Metabolic Profile Changes in Mimetic Aging Mice Induced by D-Galactose. PLoS ONE, 2015, 10, e0132088.	2.5	40
211	Effect of a hydro-alcoholic extract of Melissa officinalis on passive avoidance learning and memory. Journal of HerbMed Pharmacology, 2019, 8, 120-125.	0.9	4
212	Neuroprotective properties of compounds of vegetable origin: pentacyclic triterpenes. Psychiatria I Psychologia Kliniczna, 2014, 14, 284-289.	0.2	1
213	Lycopene ameliorates oxidative stress in the aging chicken ovary via activation of Nrf2/HO-1 pathway. Aging, 2018, 10, 2016-2036.	3.1	87
214	Autophagy decreases alveolar macrophage apoptosis by attenuating endoplasmic reticulum stress and oxidative stress. Oncotarget, 2016, 7, 87206-87218.	1.8	17
215	Ursolic and Oleanolic Acids as Potential Anticancer Agents Acting in the Gastrointestinal Tract. Mini-Reviews in Organic Chemistry, 2018, 16, 78-91.	1.3	12
216	Myelin Protection by Ursolic Acid in Cuprizone-Induced Demyelination in Mice. Iranian Journal of Pharmaceutical Research, 2019, 18, 1978-1988.	0.5	8
217	Anti-Aging Effect of Nigella Sativa Fixed Oil on D-Galactose-Induced Aging in Mice. Journal of Pharmacopuncture, 2017, 20, 29-35.	1.1	38

#	Article	IF	Citations
218	Dâ€˜galactose induces astrocytic aging and contributes to astrocytoma progression and chemoresistance via cellular senescence. Molecular Medicine Reports, 2019, 20, 4111-4118.	2.4	14
219	Improving Effect of Silk Peptides on the Cognitive Function of Rats with Aging Brain Facilitated by D-Galactose. Biomolecules and Therapeutics, 2011, 19, 224-230.	2.4	14
220	Moderate exercise prevents neurodegeneration in D-galactose-induced aging mice. Neural Regeneration Research, 2016, 11, 807.	3.0	24
221	d â€Galactose treatment increases ACE2 , TMPRSS2 , and FURIN and reduces SERPINA1 mRNA expression in A549 human lung epithelial cells. Drug Development Research, 2021, , .	2.9	2
222	Purple sweet potato color attenuates D-galactose-induced renal injury in mice by inhibiting the expression of NF-ÎºB-dependent inflammatory genes. Journal of Medicinal Plants Research, 2012, 6, .	0.4	1
223	Taxifolin retards the <scp>d</scp>-galactose-induced aging process through inhibiting Nrf2-mediated oxidative stress and regulating the gut microbiota in mice. Food and Function, 2021, 12, 12142-12158.	4.6	39
224	Memory-improving activity of Melissa officinalis extract in naÃ¯ve and scopolamine-treated rats. Research in Pharmaceutical Sciences, 2014, 9, 107-14.	1.8	31
225	Diet therapy for the treatment of Alzheimer's disease in view of traditional Persian medicine: A review. Iranian Journal of Basic Medical Sciences, 2019, 22, 1102-1117.	1.0	8
226	Therapeutic Potential of Ursolic Acid in Cancer and Diabetic Neuropathy Diseases. International Journal of Molecular Sciences, 2021, 22, 12162.	4.1	42
229	Effect of Ethyl Acetate Fraction from Eucommia ulmoides Leaves on PM2.5-Induced Inflammation and Cognitive Dysfunction. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-26.	4.0	3
230	Evaluation of Lactobacillus brevis MG000874 in Behavioral and In Vitro Antioxidant Enzyme Activity of Murine Brain. Brazilian Archives of Biology and Technology, 0, 65, .	0.5	1
231	Huperzine aggravated neurochemical and volumetric changes induced by D-galactose in the model of neurodegeneration in rats. Neurochemistry International, 2022, 158, 105365.	3.8	2
232	Comparing healing effect against ulcerative colitis and toxicological effects ofRosmarinus officinalis: A comprehensive in vivo study of an edible plant in rats. Journal of Food Biochemistry, 2022, 46, .	2.9	2
233	Ursolic Acid Enhances Myelin Repair in Adult Mice Brains and Stimulates Exhausted Oligodendrocyte Progenitors to Remyelinate. Journal of Molecular Neuroscience, 2022, 72, 2081-2093.	2.3	5
234	Ursolic acid enhances autophagic clearance and ameliorates motor and non-motor symptoms in Parkinsonâ€™s disease mice model. Acta Pharmacologica Sinica, 2023, 44, 752-765.	6.1	10
235	Acteoside and ursolic acid synergistically protects H ₂ O ₂ -induced neurotrosis by regulation of AKT/mTOR signalling: from network pharmacology to experimental validation. Pharmaceutical Biology, 2022, 60, 1751-1761.	2.9	7
236	Protective effect of rutin on ferroptosisâ€induced oxidative stress in aging laying hens through Nrf2/HOâ€1 signaling. Cell Biology International, 2023, 47, 598-611.	3.0	17
237	Ursolic acid: Historical aspects to promising pharmacological actions for the treatment of central nervous system diseases. Current Cosmetic Science, 2023, 02, .	0.2	0

#	Article	IF	Citations
238	Neuroprotective properties of Betulin, Betulinic acid, and Ursolic acid as triterpenoids derivatives: a comprehensive review of mechanistic studies. Nutritional Neuroscience, 2024, 27, 223-240.	3.1	7
239	Lavandula stoechas L. subsp. stoechas, a New Herbal Source for Ursolic Acid: Quantitative Analysis, Purification and Bioactivity Studies. Chemistry and Biodiversity, 2023, 20, .	2.1	2
240	Lonicera japonica polysaccharides alleviate D-galactose-induced oxidative stress and restore gut microbiota in ICR mice. International Journal of Biological Macromolecules, 2023, 245, 125517.	7.5	3
241	Effects of Methionine Restriction from Different Sources on Sperm Quality in Aging Mice. Nutrients, 2023, 15, 4782.	4.1	0
242	Dendrimers in the management of Alzheimer's disease. , 2024, , 235-251.		1
243	NADPH Oxidase 3: Beyond the Inner Ear. Antioxidants, 2024, 13, 219.	5.1	0
245	AMPKâ€upregulated microRNAâ€708 plays as a suppressor of cellular senescence and aging via downregulating disabledâ€2 and mTORC1 activation. MedComm, 2024, 5, .	7.2	0
246	Geraniol attenuates oxidative stress and neuroinflammation-mediated cognitive impairment in D galactose-induced mouse aging model. Aging, 2024, 16, 5000-5026.	3.1	0